Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	0	(fuel ADJ additive) AND gel AND (dispersant OR (polyisobutenyl ADJ succinimide)) AND (detergent OR (alkylbenzenesulfonate)) AND (antioxidant OR (anti ADJ oxidant) OR (nonylated ADJ diphenylamine))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 08:23
S5	0	fuel AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/17 08:23
S10	0	S8 AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 08:29
S9	0	S8 AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 08:29
S13	44	("20020014447" | "20020153505" | "20030053927" | "3336223" | "3749247" | "4014794" | "4061572" | "4066559" | "4075098" | "4144166" | "4144169" | "4639255" | "4751901" | "4755289" | "5032259" | "5042617" | "5059217" | "5069799" | "5249552" | "5314632" | "5327861" | "5374354" | "5435912" | "5456217" | "5478463" | "5507942" | "5527452" | "5552040" | "5573557" | "5580359" | "5591330" | "5662799" | "5695531" | "5718258" | "5725031" | "5897770" | "5962378" | "6045692" | "6127321" | "6140279" | "6238554" | "6310010" | "RE37369").PN. OR ("6843916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 08:31
S14	10	S13 AND fuel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 08:32
S15	7	S13 AND fuel AND gel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 08:38
S19	3	(("3342733") or ("4382005")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/17 12:29
S11	0	S8 AND ((polyisobutenyl ADJ succinimide) OR (poly ADJ isobutenyl ADJ succinimide)) AND ((alkylbenzenesulfonate) OR (alkyl ADJ benzene ADJ sulfonate) OR (alkylbenzene ADJ sulfonate)) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 12:48
S24	3	S22 AND ((polyisobutenyl ADJ succinimide) OR (poly ADJ isobutenyl ADJ succinimide)) AND ((alkylbenzenesulfonate) OR (alkyl ADJ benzene ADJ sulfonate) OR (alkylbenzene ADJ sulfonate)) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 12:50
S25	1	S22 AND succinic AND (maleic ADJ anhydride ADJ styrene ADJ copolymers) AND (maleated ADJ ethylene ADJ diene) AND surfactant AND emulsifier AND (carbon ADJ black) AND silica AND alumina AND titania AND (magnesium ADJ oxide) AND (calcium ADJ carbonate) AND lime AND clay AND zeolite AND (pressure ADJ agent) AND (wear ADJ reduction) AND (viscosity ADJ index) AND (anti ADJ foaming) AND (combustion ADJ modifier)	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 12:54
S27	24	S26 NOT S24	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/17 12:59
S28	11	fuel AND gel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant)) AND soot AND emission AND succinic AND ((maleic ADJ anhydride ADJ styrene ADJ copolymers) OR (maleated ADJ ethylene ADJ diene) OR surfactant OR emulsifier) AND ((carbon ADJ black) OR silica OR alumina OR titania OR (magnesium ADJ oxide) OR (calcium ADJ carbonate) OR lime OR clay OR zeolite) AND ((pressure ADJ agent) OR (wear ADJ reduction) OR (viscosity ADJ index) OR (anti ADJ foaming) OR (combustion ADJ modifier))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 10:48

S29	11	fuel AND gel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant)) AND soot AND emission AND succinic AND ((maleic ADJ anhydride ADJ styrene ADJ copolymers) OR (maleated ADJ ethylene ADJ diene) OR surfactant OR emulsifier) AND ((carbon ADJ black) OR silica OR alumina OR titania OR (magnesium ADJ oxide) OR (calcium ADJ carbonate) OR lime OR clay OR zeolite) AND ((pressure ADJ agent) OR (wear ADJ reduction) OR (viscosity ADJ index) OR (anti ADJ foaming) OR (combustion ADJ modifier))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 10:50
S30	241	fuel AND catalyst AND ((Na WITH K WITH Co WITH Ni WITH Fe WITH Cu WITH Mn) OR (sodium WITH potassium WITH cobalt WITH nickel WITH iron WITH copper WITH manganese))	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 10:52
S34	2	gel WITH full WITH flow WITH bypass WITH oil WITH reservoir	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 11:18
S33	117	full WITH flow WITH bypass WITH oil	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/20 11:18
S35	343	(fuel ADJ additive) AND gel AND (dispersant OR (polyisobutenyl ADJ succinimide)) AND (detergent OR (alkylbenzenesulfonate)) AND (antioxidant OR (anti ADJ oxidant) OR (nonylated ADJ diphenylamine))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:43
S2	5	S1 AND soot AND emission	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:43
S1	329	(fuel ADJ additive) AND gel AND (dispersant OR (polyisobutenyl ADJ succinimide)) AND (detergent OR (alkylbenzenesulfonate)) AND (antioxidant OR (anti ADJ oxidant) OR (nonylated ADJ diphenylamine))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:43
S39	3076	fuel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:44
S38	2	fuel AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:44
S37	1	(fuel WITH additive) AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:44
S36	5	S35 AND soot AND emission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:44
S8	660	(44/265,268,270,271,628,640).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/12/08 10:44
S7	84	fuel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:44

S4	2	fuel AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:44
S3	1	(fuel WITH additive) AND gel AND (polyisobutenyl ADJ succinimide) AND (alkylbenzenesulfonate) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:44
S41	3	S39 AND S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:53
S40	723	(44/265,268,270,271,628,640).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/08 10:53
S44	348	S43 AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:54
S43	389	fuel AND gel AND ((ashless ADJ succinimide) OR (polyisobutenyl ADJ succinimide) OR (alkenyl ADJ succinimide) OR (decyl ADJ methacrylate) OR (vinyl ADJ decyl ADJ ether)) AND (sulfonate OR sulphonate OR phenate OR salicylate OR carboxylate) AND (phenol OR (phenate ADJ sulfide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:54
S42	5	((polyisobutenyl ADJ succinimide) OR (poly ADJ isobutenyl ADJ succinimide)) AND ((alkylbenzenesulfonate) OR (alkyl ADJ benzene ADJ sulfonate) OR (alkylbenzene ADJ sulfonate)) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:54
S17	341	S16 AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:54
S16	382	fuel AND gel AND ((ashless ADJ succinimide) OR (polyisobutenyl ADJ succinimide) OR (alkenyl ADJ succinimide) OR (decyl ADJ methacrylate) OR (vinyl ADJ decyl ADJ ether)) AND (sulfonate OR sulphonate OR phenate OR salicylate OR carboxylate) AND (phenol OR (phenate ADJ sulfide))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:54
S12	5	((polyisobutenyl ADJ succinimide) OR (poly ADJ isobutenyl ADJ succinimide)) AND ((alkylbenzenesulfonate) OR (alkyl ADJ benzene ADJ sulfonate) OR (alkylbenzene ADJ sulfonate)) AND (nonylated ADJ diphenylamine)	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:54
S48	121	(S46 OR S47) AND fuel AND gel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:55
S47	3096	(burrington OR daly OR (herman NEAR3 george)).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:55

S46	3090	lubrizol.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:55
S45	7	S44 AND soot AND emission	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:55
S22	120	(S20 OR S21) AND fuel AND gel AND dispersant AND detergent AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:55
S21	1731	(burrington OR daly OR (herman NEAR3 george)).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:55
S20	972	lubrizol.as.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:55
S18	6	S17 AND soot AND emission	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:55
S50	26	S48 AND succinic AND ((maleic ADJ anhydride ADJ styrene ADJ copolymers) OR (maleated ADJ ethylene ADJ diene) OR surfactant OR emulsifier) AND ((carbon ADJ black) OR silica OR alumina OR titania OR (magnesium ADJ oxide) OR (calcium ADJ carbonate) OR lime OR clay OR zeolite) AND ((pressure ADJ agent) OR (wear ADJ reduction) OR (viscosity ADJ index) OR (anti ADJ foaming) OR (combustion ADJ modifier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:56
S49	3	S48 AND soot AND emission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:56
S31	72	fuel AND (catalyst SAME ((Na WITH K WITH Co WITH Ni WITH Fe WITH Cu WITH Mn) OR (sodium WITH potassium WITH cobalt WITH nickel WITH iron WITH copper WITH manganese)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:56
S26	26	S22 AND succinic AND ((maleic ADJ anhydride ADJ styrene ADJ copolymers) OR (maleated ADJ ethylene ADJ diene) OR surfactant OR emulsifier) AND ((carbon ADJ black) OR silica OR alumina OR titania OR (magnesium ADJ oxide) OR (calcium ADJ carbonate) OR lime OR clay OR zeolite) AND ((pressure ADJ agent) OR (wear ADJ reduction) OR (viscosity ADJ index) OR (anti ADJ foaming) OR (combustion ADJ modifier))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:56
S23	3	S22 AND soot AND emission	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:56
S51	80	fuel AND (catalyst SAME ((Na WITH K WITH Co WITH Ni WITH Fe WITH Cu WITH Mn) OR (sodium WITH potassium WITH cobalt WITH nickel WITH iron WITH copper WITH manganese)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/08 10:57
S32	1	fuel AND (catalyst SAME (organometallic OR (organo ADJ metallic)) SAME ((Na WITH K WITH Co WITH Ni WITH Fe WITH Cu WITH Mn) OR (sodium WITH potassium WITH cobalt WITH nickel WITH iron WITH copper WITH manganese)))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/08 10:57
S57	22	S52 NOT S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:31

S58	44	("20020014447" | "20020153505" | "20030053927" | "3336223" | "3749247" | "4014794" | "4061572" | "4066559" | "4075098" | "4144166" | "4144169" | "4639255" | "4751901" | "4755289" | "5032259" | "5042617" | "5059217" | "5069799" | "5249552" | "5314632" | "5327861" | "5374354" | "5435912" | "5456217" | "5478463" | "5507942" | "5527452" | "5552040" | "5573557" | "5580359" | "5591330" | "5662799" | "5695531" | "5718258" | "5725031" | "5897770" | "5962378" | "6045692" | "6127321" | "6140279" | "6238554" | "6310010" | "RE37369").PN. OR ("6843916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/09 09:43
S61	99	S60 AND (overbased NEAR2 detergent) AND (succinimide NEAR2 dispersant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S60	2463	S59 AND @pd<"20030625"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S59	3038	fuel AND additive AND detergent AND dispersant AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S55	1	S54 AND (overbased NEAR2 detergent) AND (succinimide NEAR2 dispersant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S53	40	S52 AND @pd<"20030625"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S52	62	fuel AND (additive WITH gel) AND detergent AND dispersant AND (antioxidant OR (anti ADJ oxidant))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:46
S63	75	S62 AND (tbn OR (total ADJ base ADJ number))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:47
S62	98	S61 AND (emission OR soot OR (voc OR hydrocarbon) OR nox)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:47
S56	13	S54 AND (tbn OR (total ADJ base ADJ number))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:47

S54	40	S53 AND (emission OR soot OR (voc OR hydrocarbon) OR nox)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/09 09:47
S64	1	("6310010").PN.	USPAT	OR	OFF	2005/12/09 10:41